CANCELLED

OIPE JC182 JAN 2 1 2005 PATENT & TRADEMARK OFFICE

***nmt1* promoter**

```
-1178 TGATCAGAA AATTATCGCC ATAAAAGACA GAATAAGTCA TCAGCGGTTG  TTTCATTTCC TA
-1116 TATTTTTTTT TTATTTTTTT ATTTTTTAAT AAGGGAAAAT TTAACGTCTA AGGATACAGA AG
-1054 ATTGTTAGCA CATTAAAGTA ATAAAGGCTT AAGTAGTAAG TGCCTTAGCA TGTTATTGTA TT
 -992 TCAAAGGACA TAATCTAAAA TAATAACAAT ATCATTTCTC ACAAGTTATT CAATTTTCTT TT
 -930 TTTTTTCTAA TAATATCAAG AATGTATTAT TTGTTTGACA TAAGTCAACT AATTTATTTA AT
 -868 ATGCTGGATT AATCTTGCAG ACATGTAAAT TAACAAGTTT TAGTCAAATA ACGTTGAAGT TT
 -806 CAATGAACTC AAATAATTTC TCTTTTTTTT TATATAACCA TATGTCTAAT CTGATTTATA TT
 -744 TTCCGCAGGA TCAACTGAAG TTATGACATT TGGATTGGAT CACTTATAAC CTTGGTCGCC AA
 -682 ATAATACAAA AATCAGCGTT ATAAAACAAA GAAGGTTTTT GTTAAGAAAT TAATCCTCTT TC
 -620 TTGATAAGAA AGTTGAACCG AAATTGCAGA TACTGATATA TGAAAATAAT ACCCACAATT TT
 -558 GGGAATAGCG CAAGCCTCAA TTTAAACAAT AGGTGAGGAC ACATGATAAT GACCTCAATG AT
 -496 TGTTAGAAGA AAAGAGCCTC ATTACAAAAT CGAAAAATGA ATGGTTGGGT ACAAGTTTCC AA
 -434 AACATGGTAA AGTGGACTTT GCGTATGAGA CGTAAATAGA AAAAAACACT TGTTATATGT TT
 -372 TCTAGAATTA TTGTTGTCTC TTTATGGTTG GATGATGCAA AATAGTAATT TCGGTTAGTT GC
 -310 TGTAAAACAC CACGAGACAA ATAGATATGG ATATTTATTA AATCAGGAAA AACGTAACTC TC
 -248 GGCTACTGGA TGGTTCAGTC ACCCAACGAT TACTGGGGAG AGAAAACAGG GCAAAAGCAA AG
 -186 CTTAAAGGAA TCCGATTGTC ATTCGGCAAT GTGCAGCGAA ACTAAAAACC GGATAATGGA CC
 -124 TGTTAATCGA AACATTGAAGA TATATAAAG GAAGAGGAAT CCTGGCATAT CATCAATTGA AT
  -62 AAGTTGAATT AATTATTTCA ATCTCATTCT CACTTTCTGA CTTATAGTCG CTTTGTTAAA TC
    1 ATGTCTACTA ACAAGATCAC TT
```

SEQ ID No.1 : *nmt-185* promoter

AAAGGAATCCGATTGTCATTCGGCAATGTGCAGCGAAACTAAAAACCGGATAATGGACC
TGTTAATCGAAACATTGAAGATATATAAAGGAAGAGGAATCCTGGCATATCATCAATTGA
ATAAGTTGAATTAATTATTTCAATCTCATTCTCACTTTCTGACTTATAGTCGCTTTGTTAA
ATCAT

SEQ ID No.2 : *nmt-146* promoter

TAAAAACCGGATAATGGACCTGTTAATCGAAACATTGAAGATATATAAAGGAAGAGGAATCCTG
GCATATCATCAATTGAATAAGTTGAATTAATTATTTCAATCTCATTCTCACTTTCTGACTTATAGTC
GCTTTGTTAAATCAT

Figure 1.

BEST AVAILABLE COPY

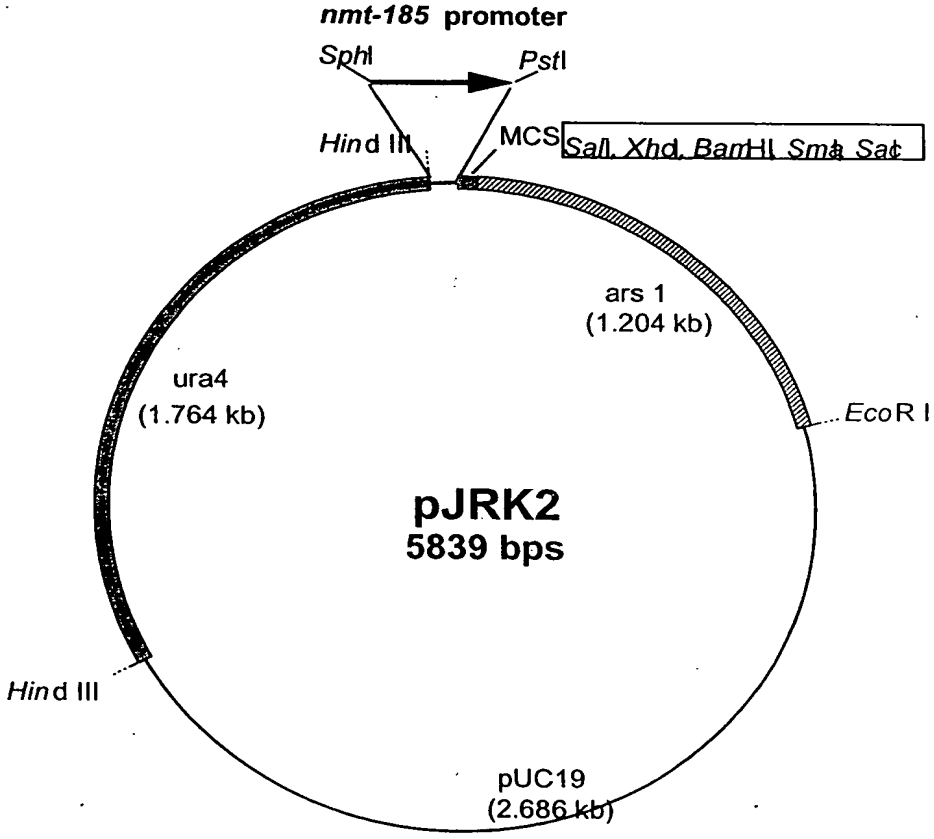

nmt-185 promoter
SphI
PstI
Hind III
MCS
SalI, XhoI, BamHI, SmaI, SacI
ars 1
(1.204 kb)
ura4
(1.764 kb)
EcoR I
pJRK2
5839 bps
Hind III
pUC19
(2.686 kb)

Fig.2

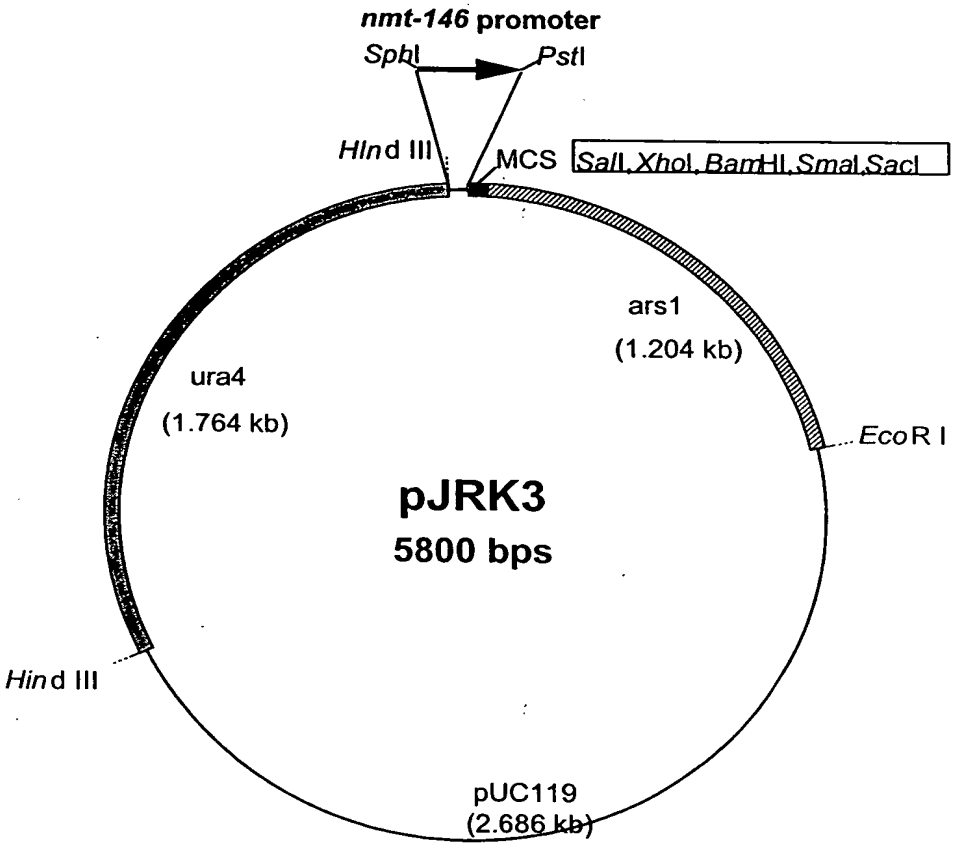

nmt-146 promoter
SphI
PstI
HIn d III
MCS
SalI, XhoI, BamHI, SmaI, SacI
ars1
(1.204 kb)
ura4
(1.764 kb)
EcoR I
pJRK3
5800 bps
Hin d III
pUC119
(2.686 kb)

Fig.3

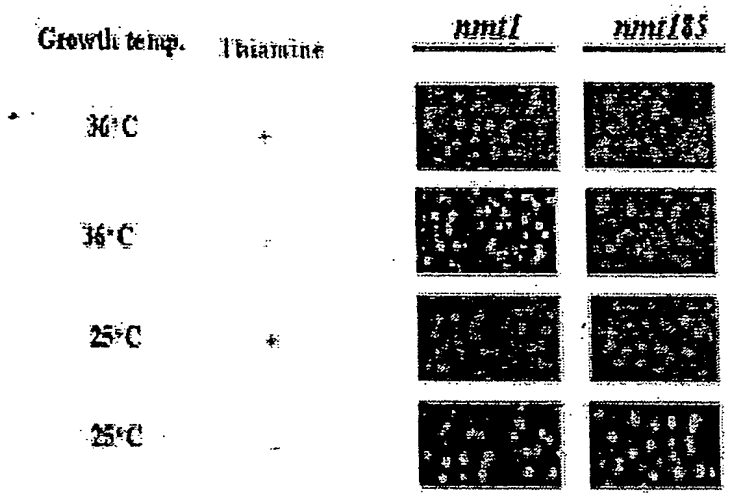


FIGURE 4

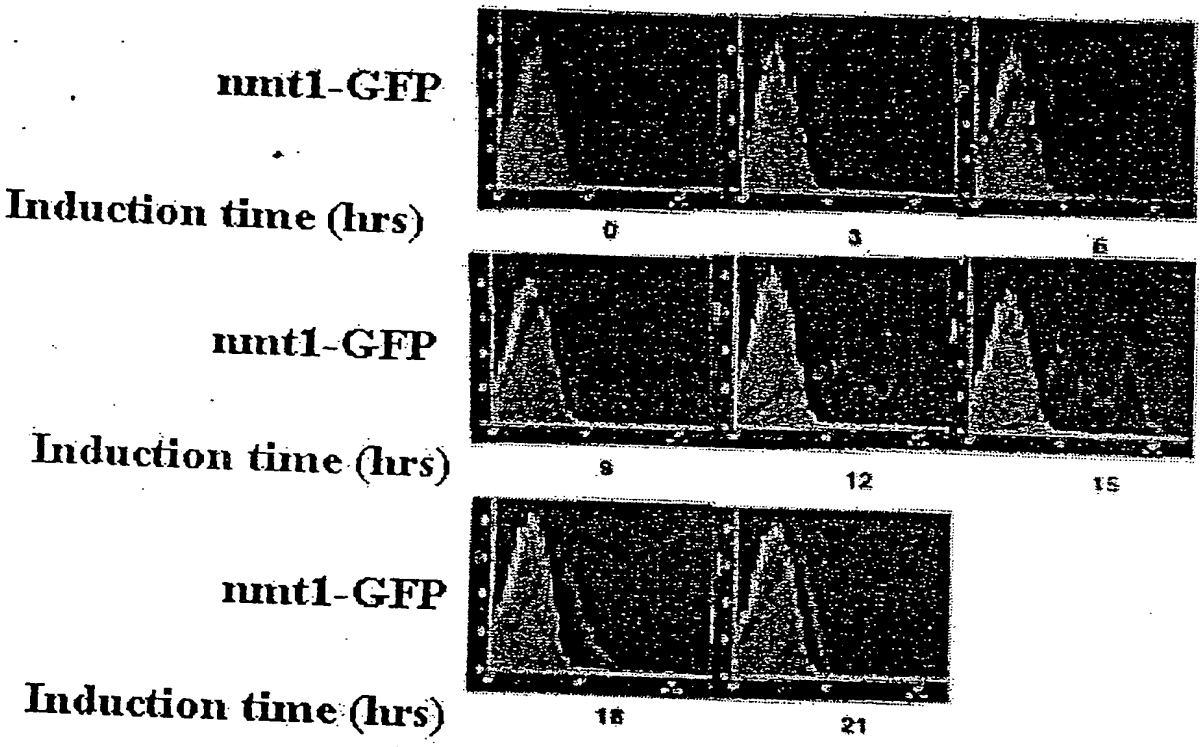

nmt1-GFP
Induction time (hrs)
0
3
6
nmt1-GFP
Induction time (hrs)
9
12
15
nmt1-GFP
Induction time (hrs)
18
21

Fig.5

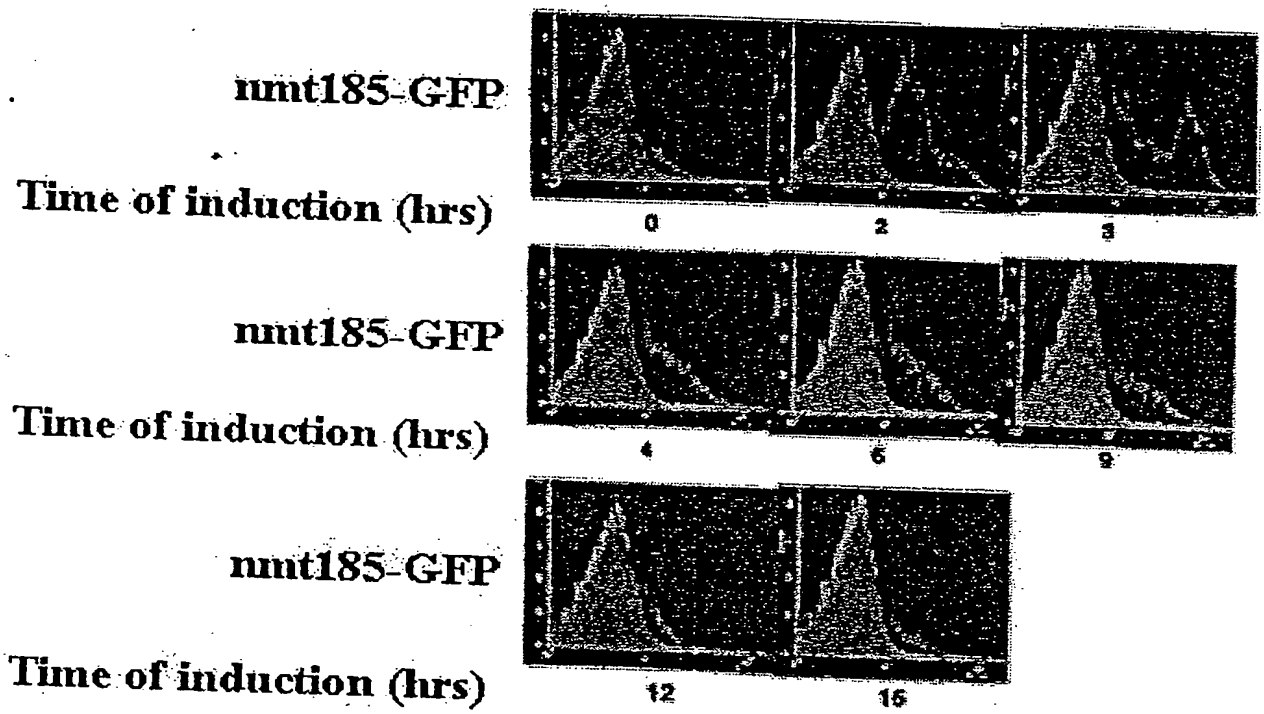

nmt185-GFP
Time of induction (hrs)
0
2
3
nmt185-GFP
Time of induction (hrs)
4
6
9
nmt185-GFP
Time of induction (hrs)
12
15

Fig.6

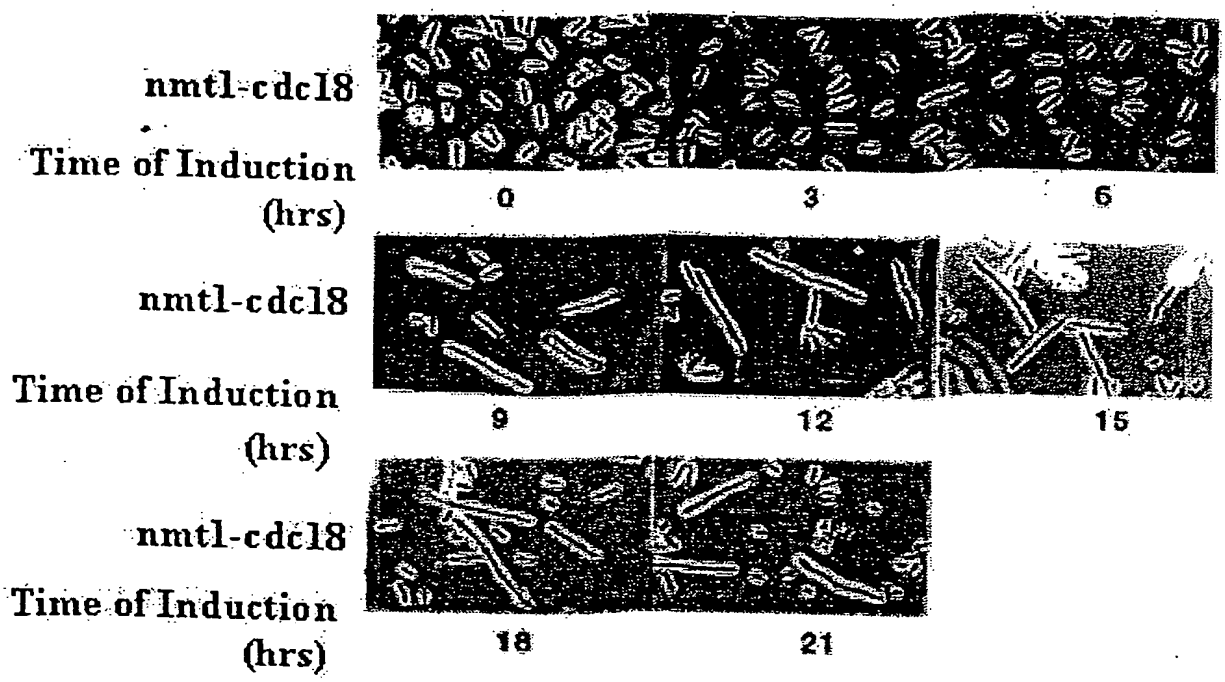

nmtl-cdc18
Time of Induction (hrs)
0
3
6
nmtl-cdc18
Time of Induction (hrs)
9
12
15
nmtl-cdc18
Time of Induction (hrs)
18
21

FIGURE 7

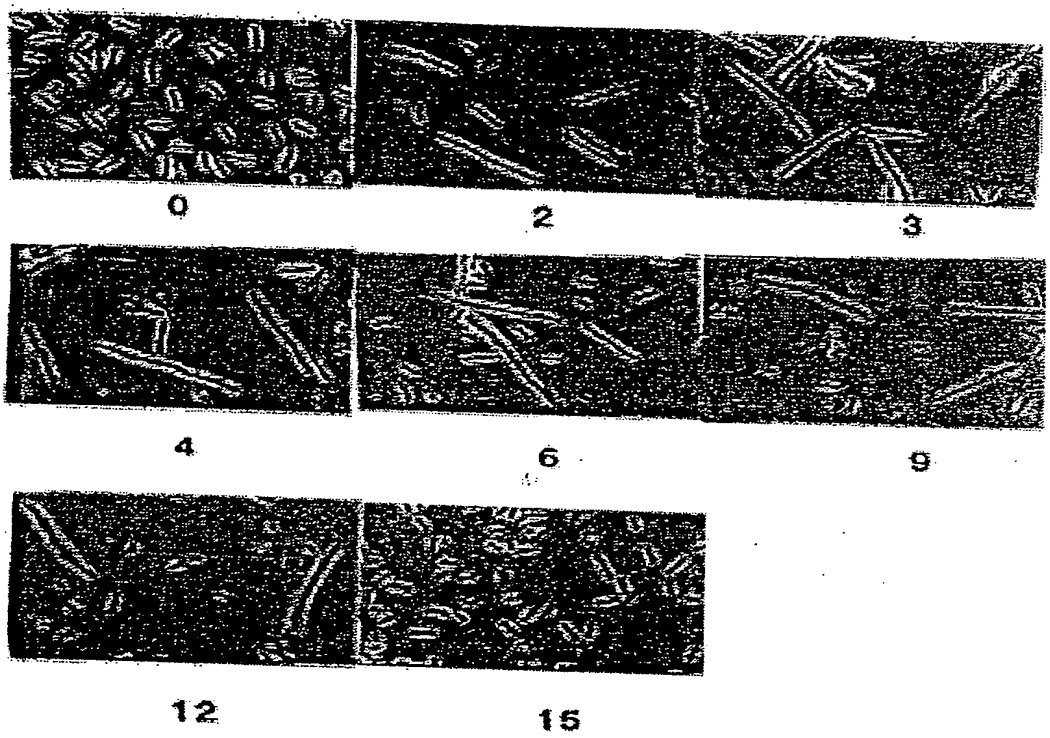

nmt185-cdc18
ime of Induction (hrs)
0
2
3
nmt185-cdc18
ime of Induction (hrs)
4
6
9
nmt185-cdc18
ime of Induction (hrs)
12
15

FIGURE 8

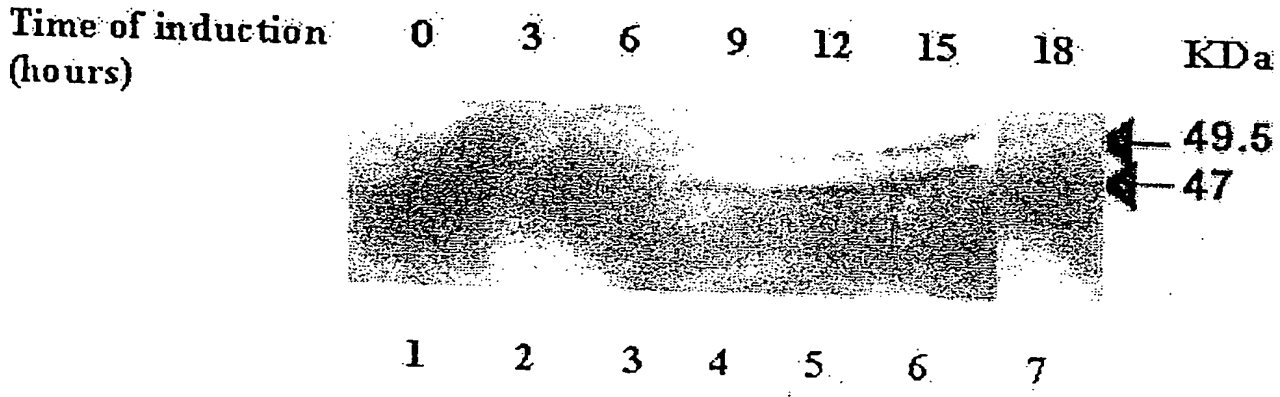


FIGURE 9

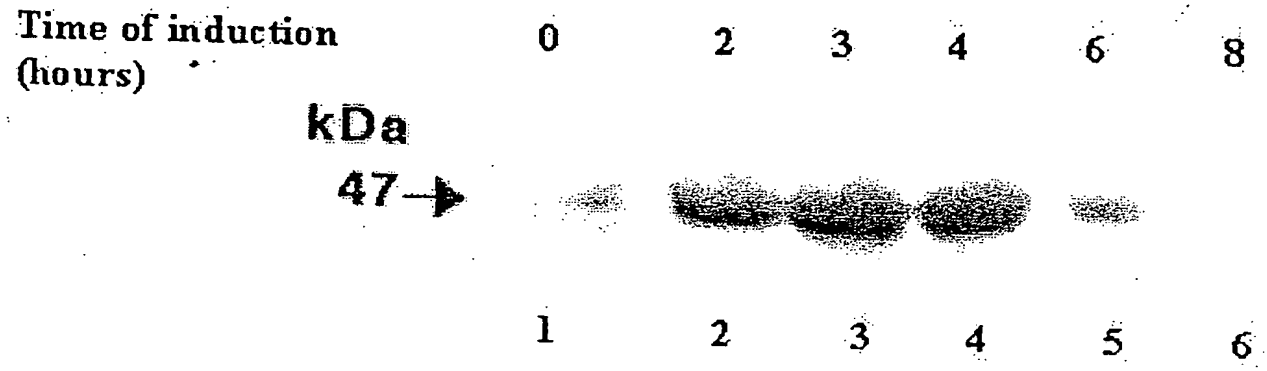
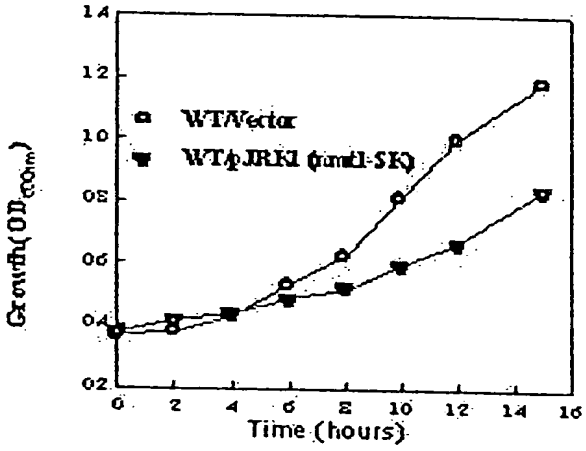


FIGURE 10

A



B

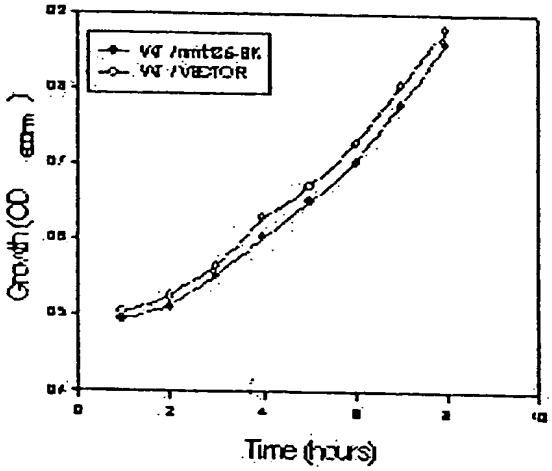


FIGURE 11

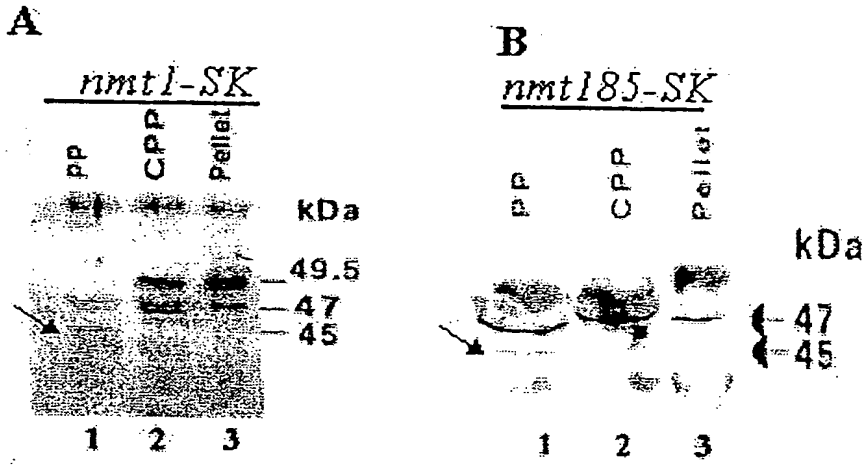

A
nmt1-SK
pp
CPP
Pellet
kDa
49.5
47
45
1
2
3
B
nmt185-SK
pp
CPP
Pellet
kDa
47
45
1
2
3

FIGURE 12

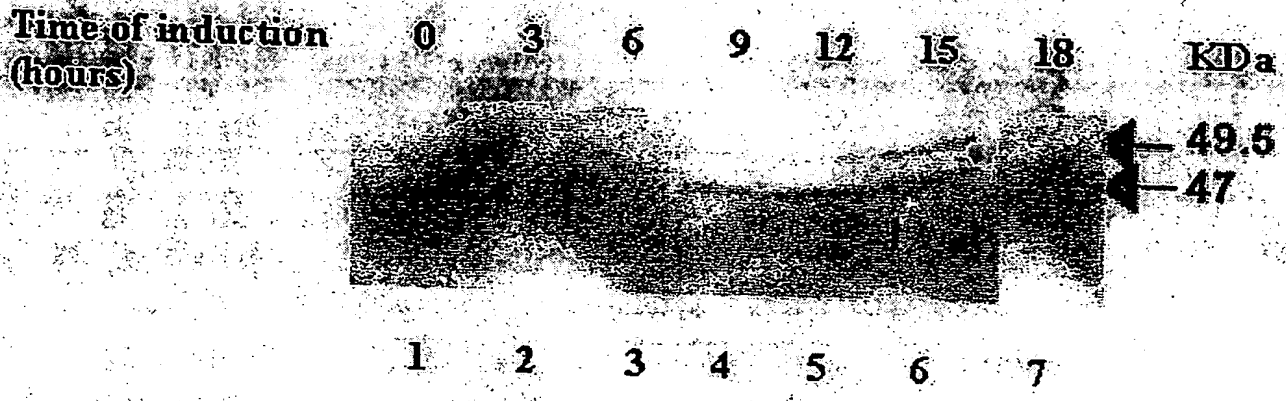


FIGURE 9

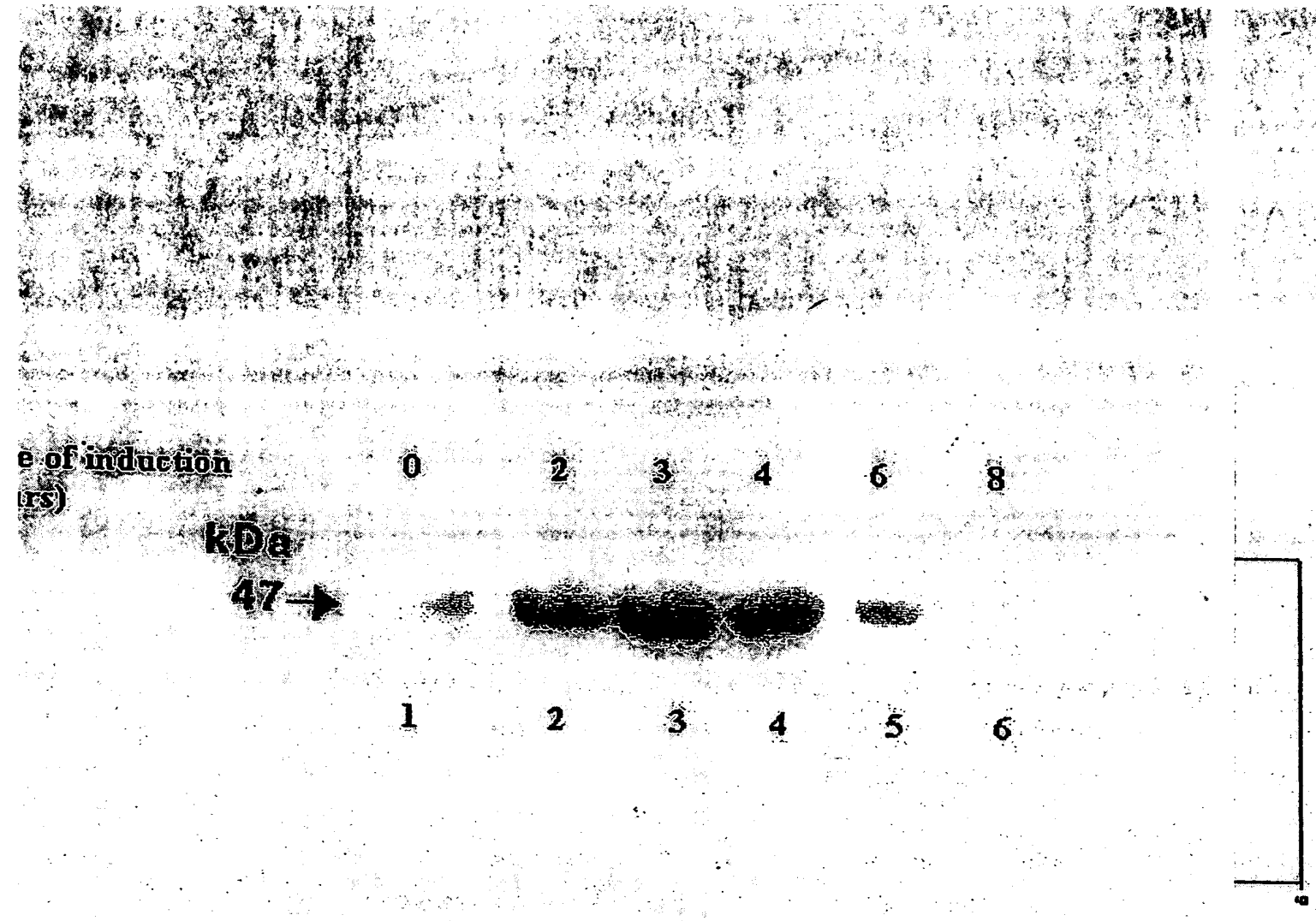


FIGURE 10

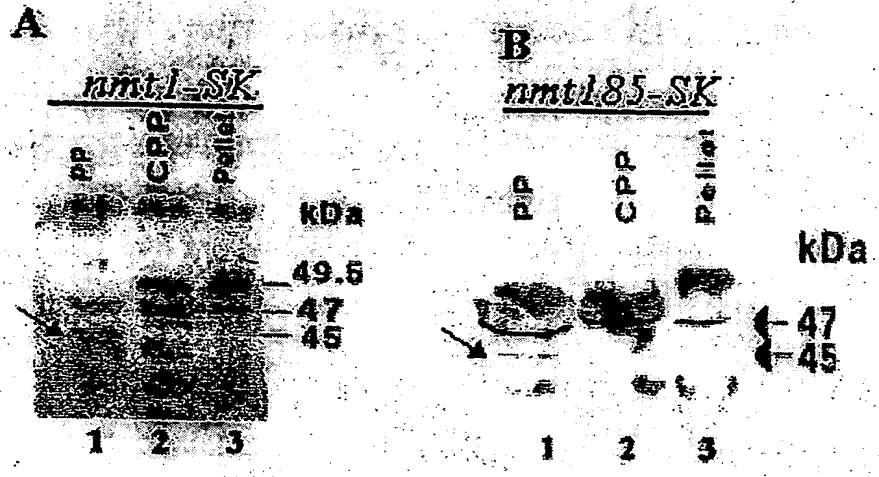

A
nmt1-SK
a.p.
c.p.
pellet
kDa
49.5
47
45
1 2 3
B
nmt185-SK
a.p.
c.p.
pellet
kDa
47
45
1 2 3

FIGURE 12

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☑ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.